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Jc715 U.S. PTO

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Dkt. 0980/65847-A

A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Shih-Yuan Wang, et al.

Serial No. : Group Art Unit:

Date Filed : Concurrently Herewith Examiner:

For : SEMICONDUCTOR OPTICAL AMPLIFIER USING
LASER CAVITY ENERGY TO AMPLIFY SIGNAL
AND METHOD OF FABRICATION THEREOF

1185 Avenue of the Americas
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Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

EXPRESS MAIL
LETTER OF TRANSMITTAL

Express Mail mailing label number: ET735982440US

Date of Deposit: December 4, 2001

I hereby certify that the above-identified application (consisting of a 84-page specification (including 37 pages of claims (160 claims) and a 1 page Abstract), and 28 sheets of formal drawings (Figs. 1-34)), 3 copies of an Application Transmittal Form, unexecuted Declaration and Power of Attorney, and a check for the \$2,176 small entity filing fee, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Arlington, VA 22202


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSISTANT COMMISSIONER FOR PATENTS
Box Patent Application
Washington, D. C. 20231

Transmitted herewith for filing under 37 CFR 1.53(b) are the specification and claims of the nonprovisional patent application of:

Shih-Yuan Wang, Miao Zhu, Zuhua Zhu, Haiqing Wei and Saif M. Islam for
Inventors

SEMICONDUCTOR OPTICAL AMPLIFIER USING LASER CAVITY ENERGY
TO AMPLIFY SIGNAL AND METHOD OF FABRICATION THEREOF

Title of Invention

APPLICATION ELEMENTS ENCLOSED:

1. Specification (total pages 84 including:

- a. 37 pages of claims (160 claims)
- b. 1 page(s) Abstract

2. 28 sheets of informal formal drawings (Figs. 1- 34)

3. Oath or declaration of Applicant(s) (3 total pages)

- a. Newly executed (original)
- b. Unexecuted
- c. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Item 14 completed)

4. Deletion of Inventor(s)

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

5. Incorporation By Reference

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied in item 3b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. Microfiche Computer Program (Appendix)

APPLICATION PARTS ENCLOSED:

7. An assignment (cover sheet & document(s))

8. 37 CFR 3.73(b) Statement (*when there is an assignee*)

9. Power of Attorney

- a. Newly executed (original)
- b. Unexecuted
- c. Copy from a prior application

10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations11. A Preliminary Amendment12. Return Receipt Postcard (MPEP 503)13. Applicant(s) hereby establish small entity status under 37 C.F.R. §1.9 and §1.2714. If a Continuing Application, check the appropriate box and supply the requisite information: Continuation of prior application No.: _____ filed _____ Divisional of prior application No.: _____ filed _____ Continuation-in-part (CIP) of prior application No.: 09/972,146 filed October 4, 200115. Amend the specification by inserting before the first line of page one: --This is a continuation
 divisional of application Serial No. _____ filed _____16. Priority of application Nos. _____ filed in _____ on _____. Applicants hereby claim priority
under 35 U.S.C. § 119. A certified copy of priority application Nos. _____ is enclosed A certified copy of priority application No. _____ has been filed in prior application
S.N. _____ filed _____17. Other (identify) _____

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

	Number Filed	Number Extra*	Rate		Fee	
			Small Entity	Other Entity	Small Entity	Other Entity
Total Claims	160 - 20	=	140	x	\$ 9	\$ 18
Indep. Claims	16 - 3	=	13	x	\$ 42	\$ 84
Multiple Dependent Claims Presented: Yes <u> </u> No <u>X</u>				\$140	\$280	\$ 0
If the difference in column 1 is less than zero, enter "0" in column 2				Basic Fee		\$ 370
				Total Fee		\$ 2,176

18. A check in the amount of \$ 2,176.00 to cover the filing fee.
19. A check in the amount of \$ _____ for recordation of the Assignment.
20. The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the following or credit any overpayment to Deposit Account No. 03-3125.
- Filing fees under 37 C.F.R. § 1.16.
- Patent application processing fees under 37 C.F.R. §1.17.
- The issue fee set in 37 C.F.R. §1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. §1.311(b).
21. Three copies of this sheet are enclosed.
22. Other (identify) _____

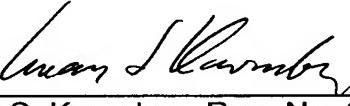
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Respectfully submitted,

December 4, 2001

Date



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